

Berlingtone

6 / 8 / 12 / 16 / 20
CHANNEL

MIC/LINE MIXER



Berlingtone

USER MANUAL
6 / 8 / 12 / 16 / 20



BR-16MX - BR-20MX

Thank you for your support and buying our professional powered mixer system. In order to correctly use the powered mixer, please read the manual carefully and keep properly for future reference.

SAFETY INSTRUCTIONS

- It is strictly forbidden for non-professionals to open the machine for repairing, otherwise the free warranty service will be terminated. If there has any problem with the product, please contact our technical after-sales service.
- The appliance should be connected to power supply only the type described in the operating instructions or as marked on the appliance. When connecting the system, please turn off the power. Hold the power cord plug when disconnecting it from an AC outlet. Never pull the cord. The power cord of the appliance should be unplugged from the outlet when left unused for a long time.
- The appliance should be situated away from heat sources such as radiators, heat registers, stoves or other appliances (including amplifiers) that produce heat.
- Do not allow water to enter this unit or allow the unit to become wet. Fire or electrical shock may result.
- Do not place objects (including liquid or small metal objects) on top of this unit. Liquid or metal objects inside this unit are a fire and electrical shock hazard.
- This product will enjoy one year's free warranty service (non-human damage). For any problems appear on working process, please contact for help from our distributor or technicians, we will provide you with warm and thoughtful service.

*All pictures here are for reference only. Specifications are subject to the physical product.

A. INPUT CHANNEL SECTION

- BALANCED INPUT:** Electronically Balanced Inputs acceptable a standard XLR male connector.
- Line input:** The unbalanced mic input is provided for the use of a unbalanced mic and is designed to accept a low impedance, high impedance, and a standard.
- Stereo input:** Connected external stereo signal input.
- Switching Stereo/USB:** Up is for Stereo Down is USB.
- Gain control:** Adjust input sensitivity from -60dB to -16dB.
- Peak indicator:** Indicate the output signal level of the left and right channels, illuminated when the input signal is too large to enter the mixer, the signal will distortion.
- HPF:** Press to start dedicated high-pass filter.
- High:** Control the high frequency tone of each channel.
- Mid:** Control the mid frequency tone of each channel.
- Low:** Control the low frequency tone of each channel.
- AUX Send:** Adjust the signal sent to the AUX bus.
- AUX2/EFF:** Adjust the signal sent to the AUX2/EFF bus.
- Pan control:** Audio and video distribution.
- ST-Channel signal assigned to MAIN L/R bus.**
- 1-2-Channel signal assigned to GROUP 1/2 bus.**
- PFL:** Monitor the signal of the only channel which PFL switch is turned "ON" using by headphones. Mean while PFL lights.
- Fader:** Fader are used to adjust the output signal level from each channel.

B. INPUT CHANNEL SECTION

- phantom power switch.
- phantom power working status display lights.
- Switching MAIN / GROUP level signal to monitor headphones.
- MAIN L-R channel volume fader.
- Monitor the output level signal control.
- GROUP 1-2 volume fader.
- AUX1 bus level signal control.
- Control the built-in effects output level signal.

26. AUX2/EFF

- bus level signal control.
27. Used to adjust the depth and speed of effect.
28. Turn the knob to select the effect, press to confirm.
29. When playing music, press to pause / play, rotate the UP / DOWN direction to select the previous song or next song, press to confirm playing the selected song.
30. USB function keys, press to change LINE / Bluetooth working status.
31. Long press REC, MAIN output signal is recorded to the memory.
32. USB player jack, when connected to the computer with an external sound card function.
33. Effectly peared player display.
34. PFL indicator.
35. Power indicator light.
36. Output level display.
37. Monitor headphone output socket.
38. Group output Through GROUP 1-2 the main fader control output.
39. MAIN OUT - XLR and TRS phone balanced output sockets for mixed stereo signals, controlled by MAIN L/R master fader output.
40. AUX output Through AUX1 and AUX2 bus control output.
41. REC OUT: Recording output.
42. Power ON/OFF.
43. AC Power input jack.
44. Built-in power amplifier output connection terminal.
45. Power amplifier cooling fan window.

	EFFECT	DEPTH	SPEED	PFL	MONO DELAY
1	REVERB	0-100%	0-100%	YES/NO	0-100%
2	PLATE	0-100%	0-100%	YES/NO	0-100%
3	LABYRINTH	0-100%	0-100%	YES/NO	0-100%
4	SERIAL DELAY	0-100%	0-100%	YES/NO	0-100%
5	PARALLEL DELAY	0-100%	0-100%	YES/NO	0-100%
6	PARALLEL DELAY	0-100%	0-100%	YES/NO	0-100%
7	DELAY	0-100%	0-100%	YES/NO	0-100%

Specifications

Input specifications

Input	Type	Impedance	Gain	Frequency Response	THD	Dynamic Range	SNR	Channel Separation
DI (IMPEDANCE)	XLR	100k	+20dB	20Hz-20kHz	<0.05%	100dB	100dB	>20dB
DI (LINE)	XLR	100k	+20dB	20Hz-20kHz	<0.05%	100dB	100dB	>20dB
DI (MIC)	XLR	100k	+20dB	20Hz-20kHz	<0.05%	100dB	100dB	>20dB
DI (LINE)	XLR	100k	+20dB	20Hz-20kHz	<0.05%	100dB	100dB	>20dB
DI (MIC)	XLR	100k	+20dB	20Hz-20kHz	<0.05%	100dB	100dB	>20dB
DI (LINE)	XLR	100k	+20dB	20Hz-20kHz	<0.05%	100dB	100dB	>20dB

*All values are typical values. All values are subject to change without notice.

Output specifications

Output	Type	Impedance	Gain	Frequency Response	THD	Dynamic Range	SNR	Channel Separation
MAIN OUT (L/R)	XLR	100k	+20dB	20Hz-20kHz	<0.05%	100dB	100dB	>20dB
GROUP 1-2 OUT	XLR	100k	+20dB	20Hz-20kHz	<0.05%	100dB	100dB	>20dB
AUX OUT	XLR	100k	+20dB	20Hz-20kHz	<0.05%	100dB	100dB	>20dB
MONITOR OUT	XLR	100k	+20dB	20Hz-20kHz	<0.05%	100dB	100dB	>20dB

*All values are typical values. All values are subject to change without notice.

Socket list

Socket	Function	Pin	Symbol
DI (IMPEDANCE)	DI (IMPEDANCE)	1, 2, 3	XLR
DI (LINE)	DI (LINE)	1, 2, 3	XLR
DI (MIC)	DI (MIC)	1, 2, 3	XLR
DI (LINE)	DI (LINE)	1, 2, 3	XLR
DI (MIC)	DI (MIC)	1, 2, 3	XLR
DI (LINE)	DI (LINE)	1, 2, 3	XLR

*Please refer to the manual for more details. All values are subject to change without notice.

